

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani and Monica Simon

DATE: January 10, 2003

RE: Employment Services and Employment Rates

During the past six months we have distributed two reports on the relationship between employment services and employment outcomes for adults enrolled in Vermont's CRT programs. One report focused on the relationship between employment and receipt of vocational services from the Department of Aging and Disabilities Division of Vocational Rehabilitation (<http://www.state.vt.us/dmh/Data/PIPs/2002/pip112202.pdf>). The other report focused on the relationship between employment and the volume of CMHC employment services (<http://www.state.vt.us/dmh/Data/PIPs/2002/pip083002.pdf>). Both reports found receipt of vocational services were related to higher employment rates. A complete list of previous reports on employment for adults with severe and persistent mental illness is available on line (http://www.state.vt.us/dmh/Data/PIPs/Ordered_by_pages/employment.htm).

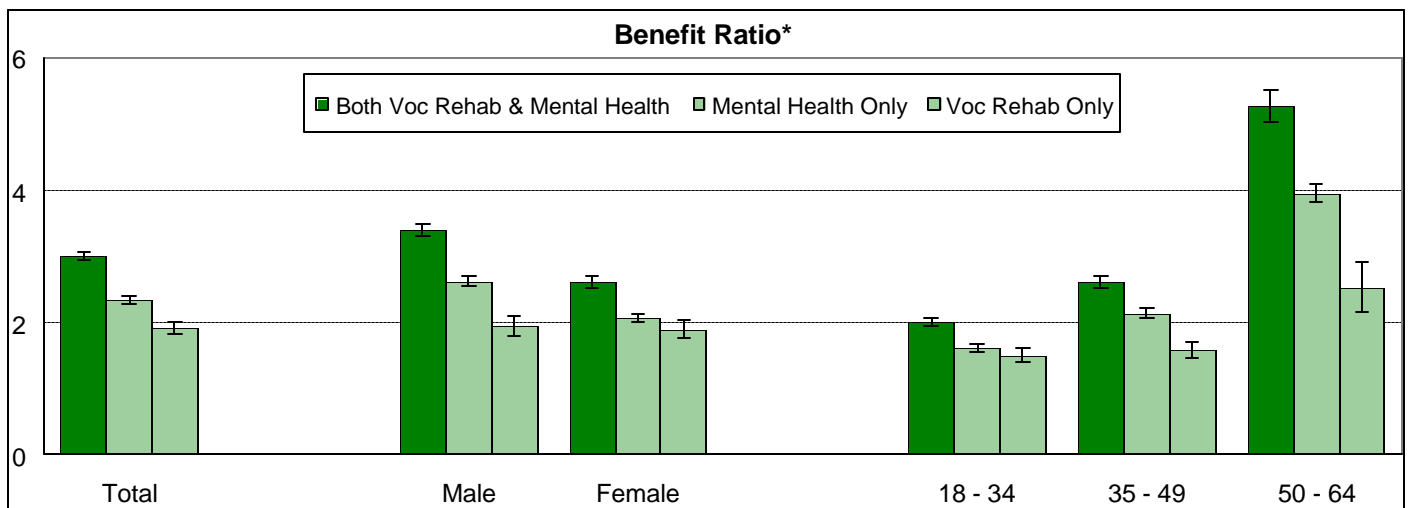
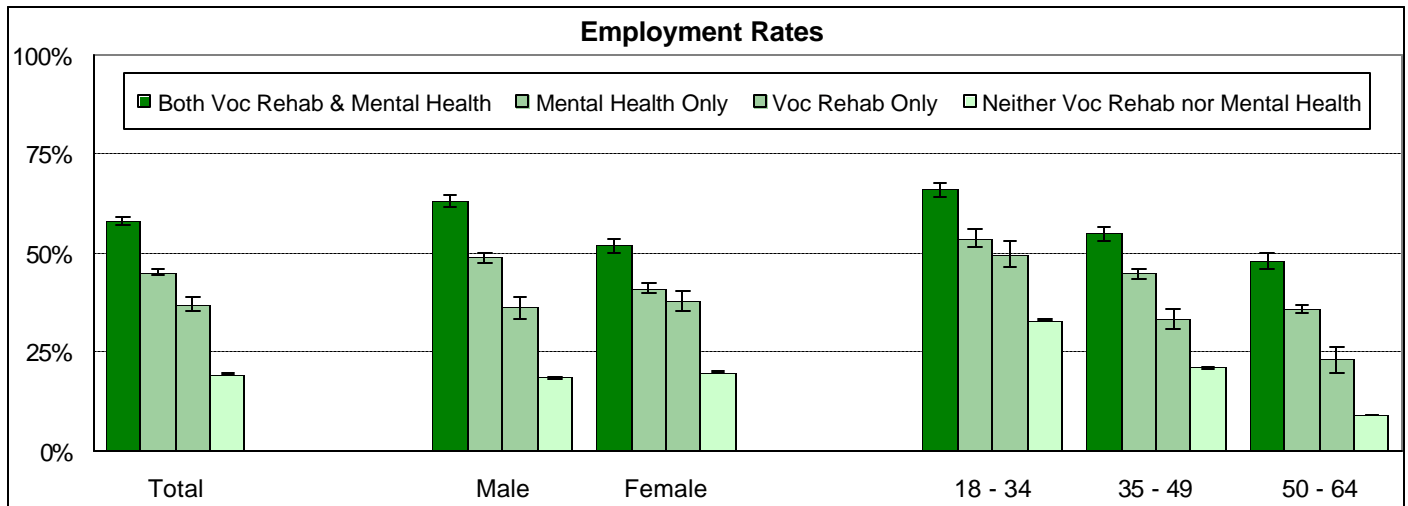
This week's report compares employment rates for CRT clients who received different combinations of CMHC employment services and Vocational Rehabilitation vocational services during FY2001. The four groups include clients who received (1) both Vocational Rehabilitation and CMHC employment services, (2) Vocational Rehabilitation services only, (3) CMHC employment services only, and (4) neither Vocational Rehabilitation nor CMHC employment services. This report is based on analysis of three data sets using both direct record matching and probabilistic estimation procedures. The data sets used in this analysis include the CMHC Monthly Service Report data set, the Vocational Rehabilitation client data set, and the Department of Employment and Training employment data set for FY2001. The attached tables and graphs summarize the results of this analysis.

As you will see, CRT clients who received both Vocational Rehabilitation and CMHC employment services were significantly more likely to be employed than CRT clients who received CMHC employment services only (58% vs. 45%), and clients who received CMHC employment services only were significantly more likely to be employed than CRT clients who received Vocational Rehabilitation services only (45% vs. 37%). CRT clients who received no vocational/employment services had the lowest employment rate (19%), substantially lower than every group of employment/vocational service recipients. This overall pattern was evident for both male and female service recipients and for service recipients in all three age groups.

When the employment rates for different groups of employment/vocational service recipients are compared to the employment rates for clients who received no employment/vocational services (employment rate for service recipients divided by employment rate for non-service recipients), a measure of the relative benefit of each combination of services can be derived. This "benefit ratio" indicates that people who received both CMHC and Vocational Rehabilitation employment services were three times as likely to be employed as people who received no employment services. The benefit ratio increases with increasing age, and is greater for men than for women.

We look forward to your comments, questions, and suggestions for further analyses of these data to pip@ddmhs.state.vt.us or 802-241-2638.

Employment Rates for CRT Clients in Four Vocational Service Categories Vermont: FY 2001



Employment Rate						
Vocational Services Received From...	Total	Male	Female	18 - 34	35 - 49	50 - 64
Both Voc Rehab & Mental Health	58% ± 1%	63% ± 2%	52% ± 2%	66% ± 2%	55% ± 2%	48% ± 2%
Mental Health Only	45% ± 1%	49% ± 1%	41% ± 1%	54% ± 2%	45% ± 1%	36% ± 1%
Voc Rehab Only	37% ± 2%	36% ± 3%	38% ± 2%	50% ± 3%	33% ± 3%	23% ± 3%
Neither Voc Rehab nor Mental Health	19% ± 0.2%	19% ± 0.3%	20% ± 0.2%	33% ± 0.5%	21% ± 0.3%	9% ± 0.1%

Benefit Ratio*						
Vocational Services Received From...	Total	Male	Female	18 - 34	35 - 49	50 - 64
Both Voc Rehab & Mental Health	3.0 ± 0.1	3.4 ± 0.1	2.6 ± 0.1	2.0 ± 0.1	2.6 ± 0.1	5.3 ± 0.2
Mental Health Only	2.3 ± 0.1	2.6 ± 0.1	2.1 ± 0.1	1.6 ± 0.1	2.1 ± 0.1	3.9 ± 0.1
Voc Rehab Only	1.9 ± 0.1	1.9 ± 0.2	1.9 ± 0.1	1.5 ± 0.1	1.6 ± 0.1	2.5 ± 0.4

*Benefit Ratio is defined as the ratio of the employment rate for each of the various categories of vocational service recipients divided by the employment rate for those who did not receive vocational services.